	Electronic	Acknowled	gement F	Receipt				
	6442173	6442173						
	10618227	10618227						
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	4405	4405						
		CHANNEL ESTIMATION METHOD AND APPARATUS USING FAST FOURIER TRANSFORMS						
First Na	First Named Inventor/Applicant Name:			Jung-Lin Pan				
	24374	24374						
	Steven J. G	Steven J. Gelman/Dawn Larsen						
	Steven J. G	Steven J. Gelman						
,	I-2-0456.1U	I-2-0456.1US						
	12-NOV-20	12-NOV-2009						
Filing Date:		11-JUL-200	11-JUL-2003					
Time Stamp:		15:28:23	15:28:23					
Application Type:		Utility und	Utility under 35 USC 111(a)					
Payment i	nformation:							
Submitted with	Payment	yes						
Payment Type			Deposit Account					
Payment was successfully received in RAM		\$1810						
RAM confirmation Number		1895						
Deposit Account		090435	090435					
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1	Issue Fee Payment (PTO-85B)	20091112_I_2_0456_1US_lssue _Fee.PDF	77894	no	1					
			c46/Tecc2ca50aee/fb8836/6b8a15e222d 8fe1b							
Warnings:										
Information:										
2	Fee Worksheet (PTO-875)	fee-info.pdf	31855	no	2					
			3bc0d62rbf8dab49x01980c83005cc91bb8 e2d53							
Warnings:					- 1					

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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/D0/E0/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

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If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.